

PATENT
ATTORNEY DOCKET NO.: 046124-5054-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Reissue Application of:)
Toshio TAKABAYASHI et al.)
U.S. Patent No. 6,469,307)
Issue Date: October 22, 2002)
Filing Date: December 18, 2000)
Reissue Application No.: (Not Assigned))
Reissue Filing Date: October 21, 2003)
For: SCINTILLATOR PANEL, RADIATION)
IMAGE SENSOR, AND METHODS OF)
MAKING THE SAME)

Group Art Unit: Not Assigned

Examiner: Not Assigned

Commissioner for Patents
Arlington, VA 22202

Sir:

REISSUE DECLARATION BY THE INVENTORS

1. We hereby declare that:
2. Our residences, post office addresses and citizenship's are as stated below next to our names.
3. We believe that we are the original, first and sole inventors of the subject matter which is described and claimed in United States Patent No. 6,469,307, granted on October 22, 2002, and for which a broadening reissue patent is sought on the invention entitled: SCINTILLATOR PANEL, RADIATION IMAGE SENSOR, AND METHODS OF MAKING THE SAME, the specification of which

[] is attached hereto.
[X] was filed on October 21, 2003 as reissue application no. _____,
and was amended on October 21, 2003.
4. We hereby claim foreign priority benefits under 35 U.S.C. § 119 on the basis of Japanese Application No. 10-171191 filed June 18, 1998. A certified copy was filed in the application on which the original patent was granted. We hereby further claim benefit under 35 U.S.C. §§ 120 and 365(c) on the basis of PCT International Application No. PCT/JP99/03264 filed June 18, 1999.

5. We have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment made during the prosecution of the application and any amendment submitted concurrently herewith.
6. We acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56.
7. We verily believe the original patent to be wholly or partly inoperative or invalid by reason of (check all that apply)

- ☒ [X] the patentee claiming more or less than the patentee had the right to claim in the patent.
- ☐ [] a defective specification or drawing.

8. At least one error upon which this reissue application is based is described as follows:

Claim 1 of U.S. Patent No. 6,469,307 recites "a radiation-transparent substrate, a flat resin film formed on said substrate, a reflecting film formed on said flat resin film, and a scintillator formed on said reflecting film." We believe that this recitation claims less than we had a right to claim. For example, reissue claim 25 of the present reissue application recites "a radiation-transparent substrate; a scintillator layer supported by said substrate; a flat resin film; and a reflecting film supported by said flat resin film, said flat resin film and said reflecting film being provided between said radiation-transparent substrate and said scintillator layer."

9. All errors corrected in this reissue application arose without any deceptive intention on the part of the Applicants.
10. We hereby appoint the registered practitioners of Morgan, Lewis & Bockius LLP included in the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please direct all correspondence to: **Customer Number: 009629**

11. We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

First Inventor:

Toshio TAKABAYASHI

Residence: Hamamatu-shi, Japan

Citizenship: Japan

Post Office Address: c/o Hamamatsu Photonics K.K.
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Signed: Toshio Takabayashi

Date: November 26, 2003

Second Inventor:

Takuya HOMME

Residence: Hamamatu-shi, Japan

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Post Office Address: c/o Hamamatsu Photonics K.K.
1126-1, Ichino-cho
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Signed: Takuya Homme

Date: November 26, 2003

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Residence: Hamamatu-shi, Japan

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Signed: Hiroto Sato

Date: November 30, 2003



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Commissioner for Patents
Arlington, VA 22202

Sir:

ASSENT OF ASSIGNEE TO REISSUE APPLICATION

The undersigned, assignee of the entire right, title, and interest in the above-mentioned letters patent, hereby assents to the accompanying reissue application. The undersigned (whose title is supplied below) is empowered to sign this paper on behalf of the Assignee.

Respectfully submitted,

Hamamatsu Photonics K.K.
1126-1, Ichino-cho, Hamamatsu-shi
Shizuoka 435-8558, JAPAN

Dated: 2003.11.17

Signed: Akira Utsuyama

Typed Name: AKIRA UTSUYAMA

Title: Section MANAGER



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Commissioner for Patents
Arlington, VA 22202

Sir:

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Hamamatsu Photonics K.K., a Japanese corporation, certifies that it is:

1. ☒ an assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent identified above by virtue of an assignment from the inventor of the patent
identified above. The assignment was recorded as follows:

FROM	TO	REEL/FRAME NO.
Inventors: Toshio TAKABAYASHI et al.	Assignee: Hamamatsu Photonics K.K. 1126-1, Ichino-cho, Hamamatsu-shi Shizuoka 435-8558, JAPAN	Reel/Frame No.: 011977/0424 Recordation Date: July 13, 2001

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the Assignee.

Respectfully submitted,

Hamamatsu Photonics K.K.
1126-1, Ichino-cho, Hamamatsu-shi
Shizuoka 435-8558, JAPAN

Dated: 2003.11.17

Signed: Akira Utsuyama

Typed Name: Akira UTSUYAMA

Title: Section MANAGER

2003-0573

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Arlington, VA 22202

Sir:

**OFFER TO SURRENDER PATENT FOR A
REISSUE APPLICATION BY THE ASSIGNEE**

Hamamatsu Photonics K.K., is the assignee of the entire right, title, and interest in the above-mentioned original patent. I am authorized to act on behalf of the assignee and I offer to surrender the original patent. A certificate under 37 C.F.R. §3.73(b) is provided herewith.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false

statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this statement is directed.

Respectfully submitted,

Hamamatsu Photonics K.K.
1126-1, Ichino-cho, Hamamatsu-shi
Shizuoka 435-8558, JAPAN

Dated: 2003.11.17

Signed: Akira Utsuyama

Typed Name: Akira UTSUYAMA

Title: Section Manager